

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: August 27, 2003			ATTY DOCKET NO. 2003-1240	SERIAL NO. NEW <i>10/648,393</i>			
			APPLICANT Makoto AKIZUKI et al.				
			FILING DATE August 27, 2003	GROUP <i>1762</i>			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>BP</i>	AA	5,459,326	10/1995	Yamada			
	AB	5,110,435	5/1992	Haberland			
	AC	5,350,607	9/1994	Tyson et al.			
	AD	4,624,859	11/1986	Akira et al.			
	AE	4,066,527	1/1978	Takagi et al.			
	AF	4,882,023	11/1989	Wendman			
	AG	4,812,326	3/1989	Tsukazaki et al.			
	AH						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AI	—	—	—	—	—	—
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>BP</i>	AJ	"NEW HORIZONS IN MATERIALS PROCESSING WITH ICB", Isao Yamada, Proc. 14th Symp. on ISIAT '91, Tokyo, (1991), Ion Beam Engineering Experimental Laboratory, pp. 227-235. <i>(No month avail.)</i>					
	AK	"IRRADIATION EFFECTS OF A MASS ANALYZED GAS CLUSTER ION BEAM ON SILICON SUBSTRATES", Y. Yamashita et al., Proc. 1st Meeting on IESI '92, Tokyo, Ion Beam Engineering Experimental Laboratory, pp. 247,250. <i>(No month avail.)</i>					
	AL	"Irradiation effects of gas-cluster Co ₂ ion beams on Si", I. Yamada et al., Nuclear Instruments and Methods in Physics Research B74 (1993) pp. 341-346. <i>(No month avail.)</i>					
	AM	"Surface modification with gas cluster ion beams", I. Yamada et al., Nuclear Instruments and Methods in Physics Research B79 (1993) pp. 223-226. <i>(No month avail.)</i>					
	AN	"A Method and apparatus for surface modification by gas-cluster ion impact", J.A. Northby et al., Nuclear Instruments and Methods in Physics Research B79 (1993) pp. 336-340. <i>(No month avail.)</i>					
	AO	"Cluster Formation in Expanding Supersonic Jets: Effect of Pressure, Temperature, Nozzle Size, and Test Gas", Hagen et al., The Journal of Chemical Physics, Vol. 56, No. 5, 1 March 1972, pp. 1793-1802.					
EXAMINER	<i>Plasma Star</i>			DATE CONSIDERED <i>5-4-4</i>			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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BP	AA	5,091,009	12/1989	Nogami et al.			
	AB	5,561,326	1/1993	Ito et al.			
↓	AC	5,527,731	6/1996	Yamamoto et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
BP	AJ	4-354865	12/1992	Japan			X
	AK	5-102083	4/1993	Japan			X
↓	AL	60-14440	1/1985	Japan			X
	AM	63-38232	2/1998	Japan			X
↓	AN	6-224146	8/1994	Japan			X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	AO	"Micromachining with cluster ions", Henkes et al., Vacuum/volume 39, no. 6, pp. 541-542, 1989. (no month avail.)
—	AP	—
—	AQ	—

EXAMINER *Pianalto*

"Cluster Formation in Expanding Supersonic Jets: Effect of Pressure, Temperature, Nozzle Size, and Test Gas", Hagen et al., The

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Date 5-4-04